

ABSTRACT

5 A column tray assembly includes a tray having passages formed therein. The tray is a
multifunction tray and is configured to receiving appropriate superstructures which
can be selected according to the respective use of the assembly. Superstructures
which communicate with the passages are mounted to the tray. The superstructures
have gas penetration holes embedded in such way that, when the superstructures are
10 mounted to the tray, the orifices of the gas penetration holes extend in a perpendicular
manner in relation to the tray. The tray and the superstructures are formed from the
same or different corrosion-resistant materials or combination of materials. The tray
may also be provided with smaller holes for the discharge of liquid, into which holes
distributor cups, or the like are inserted. These smaller holes may be closed for
15 specific purposes.